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MAY 11, 2000

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CHARLOTTE, NC 28234-4009

Alston & Bird



\*101294904A\*

MAY 22 2000

Received By \_\_\_\_\_

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/15/2000

REEL/FRAME: 010612/0906

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

COYLE, ANTHONY J.

DOC DATE: 02/02/2000

ASSIGNOR:

MANNING, STEPHEN

DOC DATE: 01/26/2000

ASSIGNOR:

LEHAR, SOPHIE

DOC DATE: 01/20/2000

ASSIGNOR:

GUTIERREZ-RAMOS, JOSE-CARLOS

DOC DATE: 01/27/2000

ASSIGNEE:

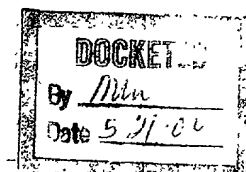
MILLENNIUM PHARMACEUTICALS, INC.  
75 SIDNEY STREET  
CAMBRIDGE, MASSACHUSETTS

SERIAL NUMBER: 09413136

FILING DATE: 10/06/1999

PATENT NUMBER:

ISSUE DATE:



ALSTON & BIRD

RTA

RECEIVED 5/21/00

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

090944-12001  
FOOT 545850

2/15/00

03-21-2000

ASSIGNMENT RE



EET Patents Only

101294904

To the Honorable Commissioner of Patents and Trademarks

Dkt. No.: 5800-10B

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Anthony J. Coyle  
Stephen Manning  
Sophie Lehar  
Jose-Carlos Gutierrez-Ramos

2. Name and address of receiving party(ies):

Millennium Pharmaceuticals, Inc.  
75 Sidney Street  
Cambridge, MA

Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

3. Nature of conveyance:

- ☒ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: Coyle: 02/02/2000; Manning:  
01/26/2000; Lehar: 01/20/2000; Gutierrez-Ramos: 01/27/2000

Additional name(s) & address(es) attached? Yes ☐ No ☒

4. Application No. 09/413,136

Patent No. \_\_\_\_\_

If this document is being filed together with a new application, the execution date of the application  
is: \_\_\_\_\_

Additional numbers attached? Yes ☐ No ☒

5. Name and address of party to whom correspondence concerning document should be mailed:

W. Murray Spruill  
ALSTON & BIRD LLP  
P. O. Drawer 34009  
Charlotte, NC 28234-4009

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41) \$40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

21/2000 DCORTES 00000178 09413136

FC:581

40.00 GP

8. Deposit account number: 16-0605

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of  
the original document.

Leslie T. Henry, Reg. No. P-45,714  
Name of Person Signing

Signature

02/08/2000

Date

Total number of pages including cover sheet, attachments and document: 5

## ASSIGNMENT

THIS ASSIGNMENT, made by us, Anthony J. Coyle, a citizen of Great Britain, residing at 30 Clarendon Street, Boston, Massachusetts; Stephen Manning, a citizen of the United States of America, residing at 151 Mystic Street, Apt. M5, Arlington, Massachusetts, Sophie Lehar, a citizen of the United States of America, residing at 2301 Fairview Ave E #408, Seattle, WA, and Jose-Carlos Gutierrez-Ramos, a citizen of Spain, residing at 31 Little's Point Road, Swampscott, MA, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in *NOVEL Th2-SPECIFIC MOLECULES AND USES THEREOF* for which an application for United States Letters Patent has been filed on October 6, 1999, under Serial No. 09/413,136, and

WHEREAS, Millennium Pharmaceuticals, Inc., a Delaware corporation having a principal place of business at 75 Sidney Street, Cambridge, County of Middlesex, State of Massachusetts, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind my heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day of FEB, 2000.

Anthony J. Coyle (SEAL)  
Anthony J. Coyle

STATE OF Massachusetts )  
COUNTY OF Middlesex )

I, Simonne L. Corriveau, a Notary Public for said County and State, do hereby certify that Anthony J. Coyle personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 2nd day of February, 2000.

(Official Seal)

Simonne L. Corriveau  
Simonne L. Corriveau Notary Public

My Commission Expires: September 1, 2006

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 24<sup>th</sup> day of

January, 2000.

 (SEAL)  
Stephen Manning

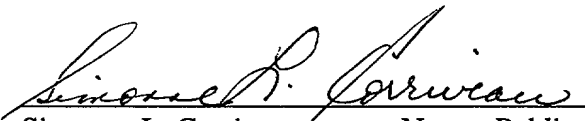
STATE OF Massachusetts)

COUNTY OF Middlesex)

I, Simonne L. Corriveau, a Notary Public for said County and State, do hereby certify that Stephen Manning personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 26<sup>th</sup> day of January, 2000.


(Official Seal)

  
Simonne L. Corriveau Notary Public

My Commission Expires: September 1, 2006

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 20<sup>th</sup> day of

January, 2000.

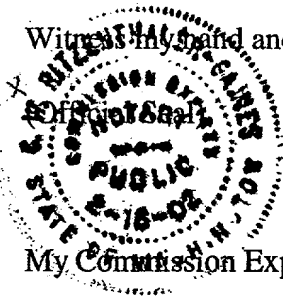
 (SEAL)  
Sophie Lehar

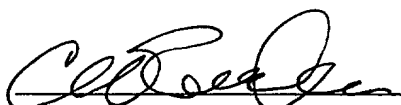
STATE OF WASHINGTON) x

COUNTY OF KING) x

I, C.W. RITZENTHAUER-GAINES, a Notary Public for said County and State, do hereby certify that Sophie Lehar personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 20<sup>th</sup> day of JANUARY, 2000.



 x  
Notary Public

My Commission Expires: FEB 15, 2002 x

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 27th day of

January, 2000.

  
\_\_\_\_\_  
Jose-Carlos Gutierrez-Ramos

(SEAL)

STATE OF Massachusetts )

COUNTY OF Middlesex )

I, Simonne L. Corriveau, a Notary Public for said County and State, do hereby certify that Jose-Carlos Gutierrez-Ramos personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 27th day of January, 2000.

(Official Seal)

  
\_\_\_\_\_  
Simonne L. Corriveau

Notary Public

My Commission Expires: September 1, 2006

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Attorney Docket No. 5800-10B

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## NOVEL Th2-SPECIFIC MOLECULES AND USES THEREOF

the specification of which

☐ is attached hereto

OR

☒ was filed on October 6, 1999 as United States Application No. 09/413,136 or PCT

International Application Number      and was amended on      (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

NONE			<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed
			<input type="checkbox"/> Yes <input type="checkbox"/> No
Number	Country	MM/DD/YYYY Filed	Priority Claimed



I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

Application Number	Filing Date (MM/DD/YYYY)
Application Number	Filing Date (MM/DD/YYYY)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application (37 C.F.R. § 1.63(d)).

09/168,229	October 7, 1998	Pending
Application No.	Filing Date	Status Patented/Pending/Abandoned
09/258,670	February 26, 1999	
Application No.	Filing Date	Status Patented/Pending/Abandoned
Application No.	Filing Date	Status Patented/Pending/Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following practitioners:

Mark Boshar, Reg. No. 35,456  
Scott A. Brown, Reg. No. 32,724  
Jean M. Silveri, Reg. No. 39,030  
Theodore Allen, Reg. No. 41,578  
Cynthia Kanik, Reg. No. 37,320

and, I also appoint the practitioners associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that Customer Number:

**Customer Number 826**

Direct correspondence to the  
attention of and telephone calls to:

Anne Brown  
Registration No. 36,463  
Tel Raleigh Office (919) 420-2200  
Fax Raleigh Office (919) 420-2260

Full name of (first/sole) inventor: Anthony J. Coyle

Inventor's

Signature: AS. Coyle Date: 2/23/2000

Residence: Boston, MA

Citizenship: Great Britain

Post Office Address: 30 Clarendon Street, Boston, MA 02116

Full name of second inventor: Stephen Manning

Inventor's

Signature: Steph Manning Date: 1/26/00

Residence: Arlington, MA

Citizenship: United States

Post Office Address: 151 Mystic Street, Apt. M5, Arlington, MA 02474

Full name of third inventor: Sophie Lehar

Inventor's

Signature: Sophie Lehar Date: 1/19/2000

Residence: Seattle, WA

Citizenship: United States

Post Office Address: 2301 Fairview Ave E #408, Seattle, WA 98102

Full name of fourth inventor: Jose-Carlos Gutierrez-Ramos

Inventor's

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

1/27/00

Residence: Swampscott, MA

Citizenship: Spain

Post Office Address: 31 Little's Point Road, Swampscott, MA 01907

00944-1201  
T002T 6452660

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Anthony J. Coyle et al

Serial No.: 09/413,136

Filed: October 6, 1999

For: Novel TH2-Specific Molecules and Uses  
Thereof

Attorney Docket No.: MPI1998-067CP2

Group Art Unit: 1644

Examiner: M. Tung

Assistant Commissioner for Patents  
Washington, D.C. 20231

"Express Mail" mailing label number EL 780616606 US

Date of Deposit July 26, 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, DC 20231

Polly P. Burton

Signature

Polly P. Burton

Please Print Name of Person Signing

**REVOCATION OF PRIOR POWERS OF ATTORNEY  
AND APPOINTMENT OF NEW POWER OF ATTORNEY**

Dear Sir:

MILLENNIUM PHARMACEUTICALS, INC., the Assignee of the entire right, title and interest in the above-identified application by virtue of the Assignment document filed with the United States Patent and Trademark Office on February 15, 2000, at Reel 010612, Frame 0906 hereby revokes all Powers of Attorney with respect to that application heretofore granted and appoints the below listed attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the Patent Office connected therewith.

Scott A. Brown, Reg. No. 32,724; Susan M. Perkins, Reg. No. 36,405; Jean M. Silveri, Reg. No. 39,030; George Jen, Reg. No. 39,239; Theodore R. Allen, Reg. No. 41,578; Jill Uhl, Reg. No. 43,213; and Kerri Pollard Schray, Reg. No. 47,066

all of Millennium Pharmaceuticals, Inc., 75 Sidney Street, Cambridge, Massachusetts  
02139, United States of America.

Please direct all future correspondence to:

Intellectual Property Group  
MILLENNIUM PHARMACEUTICALS, INC.  
75 Sidney Street  
Cambridge, MA 02139

and direct all telephone calls to Jean M. Silveri at (617) 679-7336.

MILLENNIUM PHARMACEUTICALS, INC.

By: \_\_\_\_\_

Typed Name: Scott A. Brown

Title: Associate General Counsel and Chief Patent Counsel

Dated: 7/23/01

700221 " 3456860

Commissioner For Patents  
Washington, DC 20231

Date Mailed: 7/26/2001  
Atty. Dkt. No. 5800-10B

Application No. 09/413,136; Filing Date October 6, 1999  
Inventor(s): Coyle *et al.*; Title of Invention: NOVEL TH2-SPECIFIC  
MOLECULES AND USES THEREOF  
Documents Enclosed: Revocation of Prior Powers of Attorney and  
Appointment of New Power of Attorney (2 pgs)

Check Enclosed ---

Kindly acknowledge receipt by placing office stamp hereon and  
returning postcard to: Polly Burton  
**ALSTON & BIRD LLP**

099946-12001  
FOOT " 545860